

ISMAILOV, K.I.

1. ISMAILOV, K.I.; MIRSALIMOV, R.M.
2. USSR (600)
4. Electric Machinery, Synchronous
7. Simplified cooling schemes of synchronous compensator bearings, K.I. Ismailov, R.M. Mirsalimov, Rab.energ. 3 no. 4, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

Z.S.MAILOV, K.Z.

Report Presented at the Conference on Heat and Transfer.
Kiev, USSR, 5-10 June 61.

N-3832

(1)

287. P. I. Povarinin, Generalization of the Data on the Boiling Crisis at Water Flow to Water at the ~~Temperature~~ Below Saturation Temperature.
288. I. N. Kachanov, N. S. Protopopova, I. R. Lissman, Diffusion in Gases ~~and~~ Critical Point of Liquid-Vapor Equilibrium.
289. V. I. Polubarnov, The Rate of Viscous Bubble Growth at Boiling of Liquids.
290. N. G. Stoyants, Her Investigation Results on Heat Transfer at Surface Boiling.
291. E. I. Kallinger, The Theory of Convective Heat Transfer at Vaporization.
292. I. B. Korchakov, N. S. Protopopova, L. S. Lempertova, Diffusion in Gases at High Pressures.
293. P. I. Povarinin, The Polymeric Statistic Method for Liquid Surface Tension Calculations.
294. A. V. Arsen'ev, A. S. Kerev, Aerodynamics, Boiling and Heat Transfer in Industrial Chambers at Gas Flow Compression.
295. G. A. Ostryomov, Hydrodynamic Evaluation of Electrical Properties of Insulating Fluids.
296. Yu. M. Leontovich, Hydrodynamic Means of Heterogeneous Process Intensification.
297. G. N. Rizov, Thermodynamic Investigation of the Liquid Oxygen Gasification Process.
298. G. V. Vaynshtain, I. S. Almrod, On the Determination of the Work Duration of Freezers or Air Separators.
- * 299. S. Nekrasov (Rep.), Heat and Mass Transfer at the Supercooled Phase of Boiling & Convective and Conductive Heat Transfer Spots.
300. A. S. Glazunov, Actual Problem of Design of Geals.
301. V. G. Karpenko, Heat and Mass Transfer at Design of Brown Coal Combustion Furnaces.
302. P. I. Zubov, I. A. Lipkin, Investigation of Inner Stresses in Polymers Continued.
- * 303. A. V. Smirnov, Yu. K. Komarov, Radiative-Convective Radiation Heating of Painted Coatings When
304. V. N. Prevelly, A. N. Il'yushin, Experimental Investigation of Heat and Mass Transfer of the Silicon-Lithium Reaction Product.
305. O. A. Buldin, Investigation of Convective and Conductive Heating of Textiles by Nozzles Blowing.

ACCESSION NR: APL014693

S/0249/63/019/009/0021/0024

AUTHORS: Osipov, O. A.; Ismailov, Kh. M.; Kashireninov, O. Ye.; Garnovskiy, A. D.; Orlova, L. V.

TITLE: Investigation of some dialkylaminomethylphenols and aromatic sulfides
(Presented by M. A. Dalin, academician of the Azerbaijan SSR)

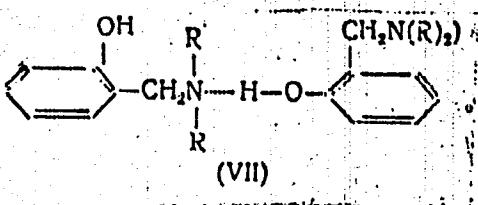
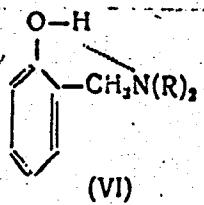
SOURCE: AN AzerbSSR. Doklady*, v. 19, no. 9, 1963, 21-24

TOPIC TAGS: antioxidant, dialkylaminomethylphenol, sulfide, intramolecular bond, intermolecular bond, hydrogen bond, dipole moment, magnetic susceptibility, infrared spectra

ABSTRACT: The dipole moments and magnetic susceptibility and the infrared spectra of dialkylaminomethylphenols (DAAMP) and aminomethyl derivatives of alkylphenyl-sulfides (AMAPS) were studied. These substances were of interest as potential antioxidants for lubricating oils, and they all contained a phenolic hydroxyl group in ortho position in respect to the dialkylaminomethyl group. The investigation centered on whether there occurred in these compounds the formation of either intramolecular or intermolecular hydrogen bonds, as

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To this end, dielectric conductivity measurements were conducted in benzene solutions and the dipole moments calculated, using P. A. Osipov's technique (ZhOKh. 156, t. 26). The existence of intramolecular hydrogen bonds in most of the DAAMP was confirmed, but was proved absent in the AMAPS compounds. Orig. art. has: 2 formulas and 3 tables.

ASSOCIATION: Rostovskiy-na-Dolu gosudarstvennyy universitet (Rostov-on-the Don State University); Institut neftekhimicheskikh protsessov (Institute of Petroleum Processes)

Card 2/3

ORUDZHEV, I.M., zasluzhennyy deyatel' nauki prof.; ISMAILOV, L.B.

Diabetes mellitus in Azerbaijan and the first results of dispensary service for diabetics. Probl. endok. i gorm. 9 no.6:
93-94 N-D '63. (MIRA 17:11)

1. Iz fakul'tetskoy terapevticheskoy kliniki No.1 Azerbaydzhan'skogo gosudarstvennogo meditsinskogo instituta imeni Narimanova.

ACC NR. ARG034653 (4) SOURCE CODE: UR/0299/66/000/008/M020/M020

AUTHOR: Ismailova, L. I.

TITLE: Morphological characteristic of blood vessels during regenerative hypertrophy of rat kidney

SOURCE: Ref. zh. Biologiya, Part, II, Abs. 8M117

REF SOURCE: Uch. zap. Dushanbinsk. gos. ped. in-ta, v. 48, 1965, 129-133

TOPIC TAGS: biology, medical experiment, morphology, biologic experiment, kidney, kidney hypertrophy

ABSTRACT: Removal of one kidney and resection of 1/3—1/2 of the other kidney were performed on a rat. The capillary path and the diameters of the vessels increased more significantly during compensatory hypertrophy. The author attributes the large diameter of capillaries to the increased dimensions of endothelocytes (from $459.800 \mu^2$ to $618.800 \mu^2$ in 6 months). The diameter of the interlobular artery increased from 37μ to 40μ , that of the interlobular vein from 54 to 73μ , that of the arc vein from 111 to 162μ , and that of the

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UDC: 591.169

ACC NR: AR6034653

lobulated vein from 156 μ to 405 μ . The thickness of the walls of some vessels also increased (from 7.3 μ to 10.1 μ near the interlobular artery). [Translation of abstract] [GC]

SUB CODE: 06/

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"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000618910006-0

Ismailov, M.

BADALOV, S.T. ISMAILOV, M.

Form of occurrence of copper in alunite. Trudy SAGU no.52:35-38
'54. (MLBA 10:5)

(Alunite)

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000618910006-0"

Ismailov, — ISMAILOV M.

IKONNIKOV, S.S.; ISMAILOV, M.; KNORRING, I.G.; KOROLEVA, A.S.; KUDRYASHEV,
S.N.; MALEVICH, V.P.; MASLENNIKOVA, T.I.; NEVSKIY, S.A.; NIKITIN, V.A.;
OVCHINNIKOV, P.N.; PLESJKO, S.I.; POPOV, N.G.; SIDORENKO, G.T.;
CHUKAVINA, A.P.; SHIBKOVA, I.P.; BORISOVA, A.G., redaktor; VASIL'CHEV-
KO, I.T., redaktor; NMUSTRUYEVA, O.E., redaktor; ZEMDEL', R.Ye.,
tekhnicheskiy redaktor

[Flora of the Tajik S.S.R.] Flora Tadzhikskoi SSR. Moskva, Izd-vo
Akad.nauk SSSR. Vol.1. [Pteridophyta - Gramineae] Paprotnikoobrasnye-
slaki. Glav.red. P.N.Ovchinnikov. 1957. 547 p. (MIRA 10:9)
(Tajikistan--Botany)

L 18829-66 EWT(1) RO
ACC NR: AP6005167

SOURCE CODE: UR/0348/55/000/011/0044/0045

AUTHOR: Imsilov, M. (Director of plant protection department); Orudzhev, M. (Junior research associate)

ORG: AzNIKhI

TITLE: Mass breeding in pests

SOURCE: Zashchita rasteniy ot vrediteley i bolezney, no. 11, 1965, 44-45

TOPIC TAGS: plant damage, insect control, insecticide, animal parasite, agriculture crop

ABSTRACT: The authors discuss insect damage to cotton plants in Azerbaijan. Azerbaijan numbers 140 species of cotton-damaging insects and ticks. In recent years there has been a sharp increase in pests which formerly caused almost no damage to cotton. Extensive damage has been reported by farms in various districts and replanting has been necessary in many cases. In 1959, 82.2-100% of the cotton crop was damaged by the *Cicadatra querula* and *C. glyciphyllae* in one area. Only after extensive aerial dusting with 12% hexachlorone were these pests eliminated. Subsequently, in the summer of 1960, two other districts suffered from a severe infestation of cotton aphids. Treatment of the fields with cinctoxin and mercaptophos

UDC: 632.7 : 633.51

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L 18829-66

ACC NR: AP6005167

eradicated the pests. In 1963, the larva of the harvest fly caused severe damage to the cotton crop with some fields showing 20-25% damage. In the same year, farms in other areas were reporting infestation of their fields with corn moth caterpillars. Finally, in 1964, the sage moth attacked the cotton crop causing up to 80-90% damage in some areas. This infestation was brought under control with DDT and hexachlorane.

SUB CODE: 02,06/

SUBM DATE: 00/

ORIG REF: 000/

OTH REF: 000

Card 2/2

ISMAILOV, M. A.

ISMAILOV, M. A.: "Some problems of investigating the operation of pulley ropes in drilling." Min Higher Education USSR. Azerbaydzhан Order of Labor Red Banner Industrial Inst imeni M. Azizbekov. Baku, 1956. (Dissertation for the Degree of Candidate in Technical Science).

Source: Knizhnaya letopis' No. 28 1956 Moscow

~~ISMAILOV, M.A.~~

Establishing norms for the amount of hoisting cable used in relation
to drilling depth. Azerb.neft.khoz.35 no.12:10-12 D '56.

(MLRA 10:3)

(Oil wells--Equipment and supplies)

ISMAILOV, M.A.

Effect of characteristics of areas on the performance and wear of
casing lines in drilling operations. Trudy AzNII DN no.5:384-388
'57. (MIRA 12:4)

(Hoisting machinery)

ISMAILOV, M.A.

Calculating the life of casing lines in drilling stations. Trudy
ANII DW no.5:389-397 '57.
(Hoisting machinery)

ABDULZADE, A.M.; ISMAILOV, M.A.; MAMEDOV, T.R.; MAMEDOV, N.N.

Improving the operating conditions of the supports for bit
rollers at the well bottom. Mash. i neft. obor. no. 1t18-20
'64 (MIRA 17:7)

1. Zavod burovogo instrumenta g. Baku.

GASAN BALA, M.; ISMAILOV, M.A.; GRIGORYAN, N.A.; KULIBEKOV, A.A.

Double-rimmed three roller bits. Mash. i neft. obor. no.5:
3-5 '64. (MIRA 17:6)

1. Zavod im. S.M. Kirova i Institut razrabotki neftyanykh i
gazovykh mestorozhdeniy AN AzerSSR.

ISMAILOV, M.A.; SUMBATZADE, A.S., akad., red.

[Capitalism in Azerbaijani agriculture at the end of
the 19th and the beginning of the 20th century] Kapi-
talizm v sel'skom khoziaistve Azerbaidzhana na iskhode
XIX-nachale XX v. Baku, Izd-vo AN Azerb. SSR, 1964.
305 p. (MIRA 16:1)

L 52514-65 EWT(d)/EWT(m)/EWP(W)/EWA(d)/EWP(v)/EWP(k)/EWA(h) Pg-4/Pg-4/Peb
TJP(c) RW/EM
ACCESSION NR.: AP5012442

UR/C376/65/001/002/0219/0226

AUTHORS: Belonosov, S. N.; Imanilov, M. A.

TITLE: First boundary value problem for the differential equation of elastic equilibrium of a slanting cylindrical shell

SOURCE: Differentialnyye uravneniya, v. 1, no. 2, 1965, 219-226

TOPIC TERMS: boundary problem, differential equation, elastic stress

ABSTRACT: The authors investigate two problems for the equation

$$\Delta \Delta W(x, y) - i\lambda^2 \frac{\partial^2 W}{\partial x^2} = 0 \quad (1)$$

The first is an interior problem in which $W(x, y)$ is sought in a finite simply connected region D bounded by a closed smooth curve L on which

$$\left. \frac{\partial W}{\partial x} \right|_L = a(s), \quad \left. \frac{\partial W}{\partial y} \right|_L = b(s), \quad (2)$$

is satisfied with $a(s)$ and $b(s)$ continuous functions of arc length, and

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ACCESSION NR: AF5012442

$$\int a(s)ds + b(s)dy = 0. \quad (3)$$

is satisfied to insure uniqueness. The second is an exterior problem in which, in unrolling onto the xy plane the part of the cylindrical surface outside the opening passes into a part of the plane exterior to an infinite series of identical openings situated along the y axis with period $2\pi R$. $W(x, y)$, single valued on the cylinder, should be considered periodic in y with period $2\pi R$, and satisfying conditions (2) on each opening. At $x = \infty$ it is assumed to vanish together with its partial derivatives. The exterior problem's solution is approximated by requiring rapid decay at far distances from L. The method of integral equations is used for solving the first boundary biharmonic problem (see G. Lauricella, "Sur l'intégration relative à l'équilibre des plaques élastiques encastrees," Acta Math., 32, 1909, p. 201-256). The approximations are justified when the cylinder's opening is small in comparison to its radius. Orig. art. has 24 formulas.

ASSOCIATION: Institut matematiki AN BSSR (Institute of Mathematics, AN BSSR)

SUBMITTED: 03Dec64

ENGL: 00

SUB CODE: MA

NO REF Sov: 003

OTHER: 001

LL
Card 2/2

ASKEROV, K.A.; ABDULZADE, A.M.; ISMAILOV, M.A.

Effect of the structural parameters of three roller bits
on their efficiency. Mash. i neft. obor. no. 11:20-22 '64.
(MIRA 1981)

1. Mashinostroitel'nyy zavod im. S.M.Kirova.

ISMAILOV, M.G., kand. sel'skokhoz. nauk; MAMEDOV, I.D., starshiy
nauchnyy sotrudnik

Agricultural practices in controlling the mallow moth. Zashch.
rast. ot vred. i bol. 6 no.11:29 N '61. (MIRA 16:4)

1. Azerbaydzhanskiy institut zashchity rasteniy, Kirovabad.
(Azerbaijan—Cotton—Diseases and pests)
(Azerbaijan—Moths—Extermination)

NOZDRINA, T.M.; ISMAILOV, M.G.; TIMCHENKO, V.I., aspirant;
ABBASOV, Ya.M., aspirant; KROSTELEVA, Z.G., entomolog;
AGARKOV, V.A., kand.sel'skokhos.nauk

Brief reports. Zashch. rast. ot vred. i bol. ? no.2:53-54
F '62. (MIRA 15:12)

1. Agronom po zashchite rasteniy Khar'kovskogo rayona (for Nozdrina).
2. Azerbaydzhanskiy institut zashchity rasteniy, Kirovabad (for Ismailov).
3. Ukrainskiy institut ovozhevodstva i kartofelya, Khar'kov (for Timchenko).
4. Azerbaydzhanskiy institut khlopkovodstva, Kirovabad, (for Abbasov).
5. Tambovskiy entomofitouchastok, Sovkhoz "Komsomolets" (for Korosteleva).
6. Kamenets-Podol'skiy sel'skokhozyaystvennyy institut, Khmel'nitskaya obl. (for Agarkov).

(Plants, Protection of)

ISMAILOV, M.G.

Role of cultivation practices in controlling the cotton
bollworm. Zashch. rast. ot vred. i bol. 7 no.7:28-29
Jl '62. (MIRA 15:11)

1. Zaveduyushchiy otdelom vrediteley khlopchatnika
Azerbaydzhanskogo instituta zashchity rasteniy (for
Ismailov).

(Azerbaijan—Bollworm)

Demakov M.S.

Thermal study of serpentinitized limestone. S. T. Sudarlov, M. I. Inzaliz, and G. B. Rabceva. Zapiski Uchen. Otdel. Vsesoyuz. Mineralog. Otschisheniya Akad. Nauk SSSR. 1964, No. 5, 45-6.—On heating synthetic mixts. of serpentine and calcite, thermograms were obtained which were similar to those from natural serpentinitized limestone. The temp. curve can be interpreted quantitatively ($\pm 5-8\%$) in terms of mineral compn. only by comparing the relative areas of the endothermal deflections with those of standards. The precise temp. at which these deflections occur are of secondary importance. The effect of impurities in calcite is to lower the temp. of endothermal reactions associated with its calcination. Impurities in serpentinite diminish its exothermal peak (forsterite formation) and the temp. of its endothermal decompr. The calcite-serpentine synthetic mixts., used as standards, contain 1-100% calcite. The serpentinitized limestone samples varied from 20% serpentine, 80% calcite to 20% calcite, 80% serpentine.

C. H. Fuchsman

(2)

- Ismailov, M.I.

Category: USSR

D

Abs Jour: RZh--Kh, No 3, 1957, 7825

Author : Ismailov, M. I.

Inst : Central Asia University

Title : Thaumasite From the Middle Tien-Shan

Orig Pub: Tr. Sredneaz. Un-ta, 1956, No 82, 33-38

Abstract: Thaumasite (I) has been found in an unnamed orebody located in skarn-
erized phlogopitic limestone along the contact line between the upper
devonian limestones and the upper paleozoic syenitic dorites. I occurs
in the form of independent veins and dikes and cements the fragmented
diopsidic-augitic garnet skarn; the I is of epithermal origin. The
associated minerals are: garnet, wollastonite, diopsidic augite, calcite,
vesuvianite, phlogopite, kerolite, talc, and calcite. A chemical, micro-
scopic, and spectral analysis of the mineral was made, and its basic
physical and optical constants were measured. The chemical analysis
showed that its composition is (in percent): SiO₂ 10.38, CaO 26.40,
MgO 0.47, SO₃ 12.55, CO₂ 7.33 (by difference) and H₂O 42.87. The for-

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Category: USSR

D

Abs Jour: RZh--Kh, No 3, 1957, 7825

formula is $(\text{CaSiO}_3)(\text{CaSO}_4)(\text{CaCO}_3)$ - (15.2 H₂). The spectroscopic analysis of two modifications (white and red) shows the following elements to be present in various combinations: Si, Al, Mg, Ca, Fe, Cu, Pb, Ti, and As. The presence of Mg and the higher Si content are explained by the presence of kerolite.

Card : 2/2

-6-

ISMAILOV, M. I. Cand Geol-Min Sci -- (diss) "Mineralogy of the Nakpay deposit,
The Almalyk ~~mining~~^{ore region} area." Tashkent, 1958. 18 pp (Min of Higher Education
USSR. Central Asiatic State Univ im V. I. Lenin), 150 copies (KL, 14-58, 111)

ISMAILOV, M.I.

Pseudomorph of sepiolite after calcite. Dokl.AN Uz.SSR no.11:15-17
1958. (MIRA 11:12)

1. Institut geologii AN UzSSR. Predstavлено akademikom AN UzSSR
A.S. Uklonskim. (Pseudomorphus) (Meerschaum)

ISMAILOV, M.I.

Depositional conditions, mineralogical and geochemical
characteristics of the Mekpay ore deposit (Almalyk region).
(MIRA 13:6)
Uzb. geol. zhurn. no.6:23-31 '59.

1. Institut geologii AN UzSSR.
(Almalyk region--Ore deposits)

ISMAILOV, M. I.

Xonotlite from the Almalyk ore field. Dokl. AN Uz. SSR no.9:18-21
'59. (MIRA 13:1)

1. Institut geologii AN UzSSR. Predstavлено академиком AN UzSSR
A.S. Uklonskim. (Uzbekistan--Xonotlite)

ISMAILOV, M.I.

Phlogophite from the Makpay deposit (Almalyk ore-bearing province). Zap.Uz.otd.Vses.min.ob-va no.13:100-103
'59. (MURA 13:7)
(Almalyk region--Phlogopite)

ISMAILOV, M.I.

Wollastonite deposits in Uzbekistan. Uzb. geol. zhur. no.1 72-74 '61.
(MIRA 14:3)

(Uzbekistan — Wollastonite)

ISMAILOV, M.I.

Stilpnomelane from the Koytash deposit. Uzb.geol.zhur. no.4:
59-61 '61. (MIRA 14:9)
(Koytash region--Stilpnomelane)

ISMAILOV, M.I.

Wollastonite, a valuable raw material for the Uzbekistan industry.
(MIRA 15:11)
Uch.zap.SAIGIMS no.5:47-53 '61.
(Uzbekistan—Wollastonite)

UKLONSKIY, A.S.; BADALOV, S.T.; BASKAKOV, M.P.; ISMAILOV, M.I.; MOSEYeva, M.I.

History of minero-geochemical studies in the Institute of
Geology. Uzb. geol. zhur. 6 no.6:40-44 '62. (MIRA 16:2)
(Uzbekistan--Geochemistry) (Uzbekistan--Mineralogy)

ISMALOV, M.I.

Sepiolites of Uzbekistan. Uzb. geol. zhur. 7 no. 6:20-26 '63.
(MIRA 17:8)

1. Institut geologii im. Kh.M. Abdullayeva AN USSR.

UKLONSKIY, A.S., akademik, otv. red.; BADALOV, S.T., doktor geol.-min. nauk, red.; GOLOVANOV, I.M., kand. geol.-miner. nauk, red.; ISMAILOV, M.I., kand. geol.-miner. nauk, red.; MALAKHUV, A.A., doktor geol.-miner. nauk, red.; SHAVLO, S.G., doktor geol.-miner. nauk, red.; ASTAKHOV, A.N., red.

[Problems of mineralogy and geochemistry] Voprosy mineralogii i geokhimii. Tashkent, Izd-vo Nauka, Uzbek.SSR, 1964. 278 p. (MIRA 17:8)

1. Akademiya nauk Uzbekskoy SSR, Tashkent. Institut geologii i geofiziki. 2. Akademiya nauk Uzb.SSR (for Uklonskiy).

ISMAILOV, M.I.; SUKONKINA, T.I.

Distribution of gallium in the rocks and minerals of the Koytash deposit. Zap.Uz.otd.Vses,min.ob-va no.15:J08-113 '63.

(MIRA 17:10)

GAYVORONSKAYA, Zinaiada Mikhaylovna [deceased]; ZAPRYAGAYEVA,
Vera Ivanovna; ISMAILOV, Makhmud Ismailovich; ROZANOV,
Boris Sergeyevich; RASULOVA, M.R., otv. red.

[Nut trees in Tajikistan] Orekhoplodnye v Tadzhikistane.
[By] Z.M.Gaivoronskaia i dr. Dushanbe, Izd-vo AN Tadzhik SSR
1965. 100 p. (MIRA 18:6)

ISMAILOV, M.I.

History of studies on juniper forests of the Turkestan Range.
Trudy AN Tadzh.SSR. 73:29-38 '58. (MIRA 12:2)
(Turkestan Range---Juniper)

ISMAILOV, M.I.; KONNOV, A.A.

Some misconceptions concerning juniper stands in Central Asia.
Izv. Otd. est. nauk AN Tadzh.SSR no. 17:145-147 '56. (MIRA 11:8)

1. Institut botaniki AN Tadzhikskoy SSR.
(Central Asia--Juniper)

ISMAILOV, M.I.

Intermediate juniper--*Juniperus intermedia* Drob. in the Turkestan Range. Izv. Otd. est. nauk AN Tadzh.SSR 18: 81-86. '57. (MIRA 11:8)

1. Institut botaniki AN Tadzhikskoy SSR.
(Turkestan Range--Juniper.)

ISMAYLOV, M.I.

Peculiarities of the growth of the *Juniperus turkestanica*
Kom. in connection with its distribution. Izv. Otd. est.nauk
AN Tadzh.SSR no.22:53-64 '57. (MIRA 11:8)

1. Institut botaniki AN Tadzhikskoy SSR.
(Central Asia--Juniper--Ecology)

ISMAILOV, M. I.

Typological classification of *Juniperus turkestanica* Kom. growths
of the Turkestan Range. Izv. Otd. est. nauk AN Tadzh. SSR no. 24:73-
85 '57. (MIRA 11:10)

(Turkestan Range--Juniper)
(Mountain ecology)

ISMAILOV, M. I. Cand Biol Sci -- (diss) "Dried apricot- 'archevniki' of northern Tadzhikistan." Stalinabad, 1958. 18 pp (Aoad Sci Tadzhik SSR. Ist of Botany), 100 copies (KL, 11-58, 115)

ISMAILOV, M.I.

"Walnut in Central Asia" by M.T.Tuichiev. Reviewed by M.I.Ismailov.
Bot.zhur. 45 no.2:304-308 F '60. (MIRA 13:6)
(Soviet Central Asia--Walnut)
(Tuichiev, M.T.)

ISMAILOV, M.I.; PLAKSINA, A.B.; SATTAROV, A.

Composition of a fossil tree from the Tashkent region. Zap.
Uz. otd. Vses. min. ob.via no.16:88-95 '64. (MIRA 18:6)

ISMAILOVA, V.N.

Use of some honeybee products in medicine. Uzb. biol. zhur.
8 no. 3: 58-61 '64. (MIRA 17,12)

1. Institut krayevoy eksperimental'noy meditsiny AN Uzbekskoy
SSR.

ISMAILOV, M.I. ISMAILOV, N.I.

Heat loss and evaporation during the drying of cotton wool in layers.
Dokl.AN Uz.SSR no. 13:21-27 '49. (MLRA 6:5)

1. Institut energetiki AN Uz.SSR (for Ismailov).
2. Akademiya Nauk Uzbekskoy SSR (for Rakhmatullin). (Cotton manufacture)

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000618910006-0

ISMAILOV, M.I., kandidat tekhnicheskikh nauk.

Investigation of layer drying of raw cotton. Trudy Inst.energ.AM Us.
SSR no.4:3-21 '50. (MLRA 9:11)
(Cotton--Drying) (Heat--Transmission)

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000618910006-0

~~REF ID: A6513~~
ISMAILOV, M. I.

Elasticity and Plasticity, Mechanical Properties and Testing of Materials (3176)

Dok Ak Nauk Uzbek SSR, No. 8, 1953, pp 7-10

Ismailov, M. I.; Dolmatov, K. I.

Concerning the Force in Extracting Cotton From the Boll

Presents theoretical considerations and a short description of testing apparatus and also gives a comparison of experimental and theoretical results.

SO: Referativnyy Zhurnal -- Mekhanika, No. 4, 1954 (W-30907)

124-58-9-9987

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 9, p 77 (USSR)

AUTHOR: Ismailov, M. I.

TITLE: ~~To the Theory of Convective Heat Exchange in the Presence of Evaporation~~ (K teorii konvektivnogo teploobmena pri isparenii)

PERIODICAL: Izv. AN Uzbek SSR. Ser. fiz.-matem. n., 1957, Nr 3, pp 47-62

ABSTRACT: The paper examines the convective heat exchange between a flow of hot air and a plane moist surface; the problem has applications in drier problems. The boundary-layer equations are solved for a number of assumptions (hypotheses relative to the mixing length, the constancy of the evaporation speed, the density, etc.) and with the use of three experimental constants drawn from as yet unpublished tests by the author. The calculation formula $N_{av} = 0.351 PR^{2/3} Gu^{1/3}$ is obtained, where $Gu = (t_o - t_m / t_o)$ is the Gukhman criterion; t_o and t_m are the temperature of the flow and of the moist surface, respectively. Bibliography: 13 references.

1. Convection--Theory 2. Heat transfer--Theory 3. Evaporation
--Thermal effects 4. Evaporation--Theory V. P. Mugalev

Card 1/1

ISMAILOV, M.I.

Effective operations of the SKhNP-1 - type forcing pneumatic
cotton-picking machine. Izv. AN Uz. SSR Ser.tekh.nauk no.3:91-98
'57. (MIRA 11:7)
(Cotton-picking machinery)

ISMAILOV, M.I.; ABDULLAYEV, I.A.; KADYROV, S.K.

Effect of cylindrical profiles on the removal of cotton balls by
means of forced air. Dokl. AN Uz. SSR no.8:5-7 '57. (MIRA 11:5)

1. Institut matematiki i mekhaniki im. V.I. Romanovskogo AN UeSSR.
Predstavлено акад. AN UeSSR Kh.A. Rakhmatullinym.
(Cotton-picking machinery)

ISMAILOV, M.I.; SHVARTSMAN, L.M.

Measuring the velocity and turbulent pulsations by means of a device equipped with a capacitor. Izv. AN Ukr.SSR. Ser. fiz.-mat. nauk no.2:51-55 '58. (MIRA 11:10)

1. Institut matematiki i mehaniki imeni V.I. Romanovskogo.
(Aerodynamic measurements)

ISMAILOV, M.I.

Measurement of turbulent-flow velocity pulsations in the boundary layer on an evaporating surface. Dokl. AN U_{SSR} no. 9:39-41 '58. (MIRA 11:12)

1. Institut matematiki i mekhaniki im. V.I.Romanovskogo AN U_{SSR}.
Predstavлено академиком AN U_{SSR} Kh.A.Rakhmatullinym.
(Fluid dynamics)

10(3)

AUTHOR:

Ismailov, M.I.

SOV/166-59-2-4/11

TITLE:

Experimental Examination of the Hypothesis on the Length of the Way of Intermixture During the Vaporization (Eksperimental'naya proverka gipotezy o dline puti peremeshivaniya pri isparenii)

PERIODICAL: Izvestiya Akademii nauk Uzbekskoy SSR, Seriya fiziko-matematicheskikh nauk, 1959, Nr 2, pp 26-37 (USSR)

ABSTRACT: During the flow around of a moist surface by warmed air the longitudinal component of the velocity sustains perturbations because of the penetration of evaporating particles into the boundary layer. In an earlier paper the author [Ref 1] showed that because of this phenomenon the boundary layer assumes a turbulent character, and he gave an expression for the dependence of the length of the way of intermixture (compare Prandtl [Ref 2]) on the parameters of the process. In the present paper the author proves experimentally the correctness of the proposed formula.

There are 6 references, 3 of which are Soviet, 1 German, and 2 American.

ASSOCIATION: Institut mehaniki AN Uz SSR (Institute of Mechanics of the AS Uz SSR)

SUBMITTED: November 10, 1958

Card 1/1

ISMAILOV, M.I.

Developing optimum dimensions of pneumatic cotton-picking machines.
Izv. AN Uz.SSR. Ser. tekhn. nauk no. 3:26-32. '59. (MIRA 12:7)

1. Institut mekhaniki AN UzSSR.
(Cotton-picking machinery)

ISMAILOV, M.I.

Determining the friction resistance of a wet plate. Dokl.AN
Uz.SSR no.6:3-5 '59. (MIRA 12:9)

I. Institut matematiki i mekhaniki im. V.I.Romanovskogo AN UzSSR.
Predstavleno akademikom AN UzSSR Kh.A.Bekmatullinym.
(Frictional resistance(Hydrodynamics))

ISMAILOV, M. I., *On the theory of boundary layer in vaporization.*
TASHKENT, 1960. (ACAD SCI UZSSR, INST OF MECHANICS). (KL,
3-61, 212).

162

10.3200
17.4430
26.5200

29922
S/594/61/000/000/011/011
D234/D303

AUTHOR: Ismailov, M.I.

TITLE: On the theory of convective heat exchange during evaporation

SOURCE: Soveshchaniye po teplo- i massoobmenu. Minsk, 1961.
Tezisy dokladov i soobshcheniya (Dopolneniya), 45-47

TEXT: Evaporating particles, flying away from a moist surface with certain velocity, cause disturbances in the flow past the surface, make the velocity of the flow unstable and lead to turbulent motion in the boundary layer. Direct measurements of pulsations of the longitudinal component of the velocity in the boundary layer show that these pulsations are turbulent and take place when Reynolds' number was far below its critical value. For a given turbulent boundary layer, the notion of "length of mixing path ℓ_T " receives an interpretation in which the influence of evaporation is taken into account. It is assumed to depend on the longitudinal

Card 1/4

29922
S/594/61/000/000/011/011
D234/D303

On the theory...

coordinate X and the physical parameters of the process: viscosity, velocity of the stream outside the boundary layer and a temperature factor (Guchman's number):

$$t_T = C \sqrt{\frac{Gu v x}{u_0}} = t_0 x^{\frac{1}{2}}, \quad (1)$$

where C is an experimental constant equal to 0.383. The difference between the mixing path length during transport of the quantity of motion t_T and that during heat transport t_q was obtained in the form

$$\frac{t_q^2}{t_T^2} = \frac{2}{3}. \quad (2)$$

The following differential equations of the boundary layer were considered:

$$\frac{\partial \bar{u}}{\partial x} \frac{\partial \bar{v}}{\partial y} = 0, \quad (3)$$

Card 2/4

29922
S/594/61/000/00C/011/011
D254/D303

On the theory...

$$\bar{u} \frac{\partial \bar{u}}{\partial x} + \bar{v} \frac{\partial \bar{u}}{\partial y} = \frac{l^2}{T} \frac{\partial \bar{u}}{\partial y} \frac{\partial^2 \bar{u}}{\partial y^2}, \quad (4)$$

$$\bar{u} \frac{\partial \theta}{\partial x} + \bar{v} \frac{\partial \theta}{\partial y} = l^2 \frac{\partial}{q} \frac{\partial (\bar{u} \frac{\partial \theta}{\partial y})}{\partial y}, \quad (5)$$

where $\theta = (T - T_o)/(T_m - T_o)$, T_o being the temperature of the stream outside the boundary layer, T_m that of the wall, with the boundary conditions

$$y = 0; u = 0; v \neq 0; \theta = 1. \quad (6)$$

$$y = y_o; u = u_o; \theta = 0; \frac{\partial u}{\partial y} = \frac{\partial \theta}{\partial y}.$$

To solve these equations, a stream function Ψ is introduced and variables are changed. Exact solutions were subsequently obtained. Comparison of theoretical distributions of velocities and temperatures with experimental data gives good agreement. For Nusselt's number

Card 3/4

ISMAILOV, M.I.; KADYROV, S.

Experimental determination of the surface friction drag of a moist plate. Izv.AN Uz.SSR.Ser.tekh.nauk no.4:41-45 '61.
(MIRA 15:1)

1. Institut mekhaniki AN UzSSR.
(Friction)

ISMAILOV, N.M.

Effect of planting time on the susceptibility of different wheat
varieties to rusts and covered smut. Izv. AN Azerb. SSR. Ser. biol.
i med. nauk no. 9:25-30 '61. (MIRA 14:12)
(AZERBAIJAN--WHEAT--DISEASE AND PEST RESISTANCE)
(PLANTING TIME)

ISMAILOV, M.M.

studying the susceptibility of wheat varieties of rust and covered
smut in relation to the altitude of the region. Izv. AN Azerb.
SSR. Ser. biol. i med. nauk no.10:43-53 '61. (MIRA 15:1)
(AZERBAIJAN WHEAT DISEASE AND PEST RESISTANCE)
(SMUTS) (WHEAT RUSTS)

N.
ISMAILOV, M.; Cand Med Sci -- (diss) "Nutritional value of fat in relation to its triglyceride composition and type of emulsion." Leningrad, 1957, 15 pp (Leningrad Sanitorium-Hygiene Medical Institute), 200 copies (KL, 36-57, 107)

USSR/Human and Animal Physiology. Metabolism. Nutrition.

T-2

Abs Jour: Ref Zhur-Biol., No 12, 1958, 55241.

Author : Ismailov, M.N.

Inst : Academy of Sciences Uzbekistan SSR.

Title : The Influence of the Triglyceric Composition of
Fat Upon its Nutritional Value.

Orig Pub: Izv. AN UzSSR. Ser. biol., 1957, No 1, 79-85.

Abstract: Four groups (a total of 120) male rats, weighing 54-56 gr. each, were kept on synthetic rations during a period of 13 weeks. These rations included 30 percent of the fats under examination with varied contents of triglycerides of a high melting point (namely, 30 percent of beef fat, 5 percent of oleobeef lard, 17 percent of margarine with a fat basis of hydrogenized cotton-seed oil, and finally, 11-14 percent

Card : 1/3

6

USSR/Human and Animal Physiology. Metabolism. Nutrition.

T-2

Abs Jour: Ref Zhur-Biol., No 12, 1958, 55241.

The rats were fed on rations containing 40% of butter (the rations contained 1000 calories per 100 gr of butter). The rations were prepared on the basis of 70 calories per 100 gr of body weight. Subsequently, the rats were switched to a semi-starvation diet of 17 calories (fatfree rations, with a sufficient protein content, however). The weight, the height and the survival capacity of the rats were taken into consideration. Later, 4 rats from each of the groups were killed, and the content of lipids, proteins, and minerals was determined in their organs and tissues. The rats which died naturally, were examined in the same manner. The rations containing beef fat proved to be less effective with regard to growth, weight increase, and the accumulation of lipids and proteins when compared with other rations. Rats, previously fed with beef fat, utilized the accumulated fat reserves un-

Card : 2/3

ISMAILOV, M.N.

Effect of various fatty emulsions on the utilization of fat by organisms. Dokl. AN Uz. SSR no.8:69-74 '57. (MIRA 11:5)

1. Institut radiatsionnoy gigiyeny g. Leningrad. Predstavleno chlenom-korr. AMN SSSR N.P. Galaninym.
(FAT METABOLISM)

ISMAILOV, M.N., kand. med. nauk; TRET'YAKOVA, N.M., red.; AGZAMOV, K.,
tekhn. red.

[Nutritional value of cottonseed oil] Pitatel'naia tsennost'
khlopkovogo masla. Tashkent, Medgiz UzSSR, 1963. 19 p.
(MIRA 17:1)

ISMAILOV, M.N.

Study of the nutritional value of re-esterified cottonseed oil and its mixture with mutton fat. Vop. pit. 22 no.5:34-39 S-0 '63. (MIRA 17:1)

1. Iz laboratorii gigiyeny pitaniya (zav. -- kand. med. nauk M.N. Ismailov) Uzbekskogo nauchno-issledovatel'skogo instituta sanitarii, gigiyeny i professional'nykh zabolеваний, Tashkent.

OSTER, N.N.; SMISARENKO, I.T.; ISMAILOV, M.N.

Determination of fatty acids by the chromatographic
method. Lab. deic. no. 84457-459 '64. (MIRA 17:12)

1. Laboratoriya pitaniya (zaveduyushchiy - kand.med.nauk
M.N. Ismailov) Uzbekskogo nauchno-issledovatel'skogo instituta
sanitarii, gigiyeny i professional'nykh zabolеваний, Tashkent.

ISMAILOV, M.N.

~~Effect produced by qualitatively differing fats in the diet on some biochemical indices of the blood serum in [REDACTED] animals. Vop. pit. 23 no.6:62-67 N-D '64.~~

(MIRA 18:6)

1. Laboratoriya gigiyeny pitaniya (zav. - kand.med.nauk M.N. Ismailov) Uzbeckogo nauchno-issledovatel'skogo instituta sanitarii, gigiyeny i professional'nykh zabolеваний, Tashkent.

67086

~~16(1)~~ 16.7300

SOV/44-59-1-315

Translation from : Referativnyy zhurnal.Matematika, 1959, Nr 1, p 59 (USSR)

AUTHOR: Ismailov, M.U.TITLE: On the Determination of the Tensions in a Twisted Round Beam Which
is Weakened by a Prismatic Cavity

PERIODICAL: Uch.zap. Azerb. un-ta, 1957, Nr 11, 39-48

ABSTRACT: In the paper of D.I. Sherman (Izv.AN SSSR, Otd.tekh. n., 1951,
Nr 7)

there was given the solution of the problem on the torsion of a round beam possessing a quadratic aperture which is rounded off in the corners and the center of which coincides with the center of the circle. In the reviewed paper the same problem is considered ; however, the function mapping conformally the exterior of the square in the cross section of the beam onto the exterior of the unit circle is set up four-membered and not two-membered as in the mentioned paper. Hereby the radii of the quarter circles in the square corners become essentially smaller, whereby it is possible to determine the values of the concentrations of tension in the corners much more exactly.

Examples are given.

I.G. Aramanovich

Card 1/1

ACC NR: AP7003905

SOURCE CODE: GE/0030/67/019/001/K007/K010

AUTHOR: Guseinov, G. D.; Rasulov, A. I.; Kerimova, E. M.; Ismailov, M. Z.

ORG: Institute of Physics, Academy of Sciences of the Azerbaijan SSR, Baku

TITLE: Heat conductivity of $A^{III}B^{VI}$ -type semiconductors

SOURCE: Physica status solidi, v. 19, no. 1, 1967, K7-K10

TOPIC TAGS: heat conductivity, semiconductor crystal, high temperature effect, activation energy, exciton, crystal anisotropy

ABSTRACT: The result of experimental investigations of the heat conductivity of crystals of $A^{III}B^{VI}$ compounds over a wide temperature range at different crystallographic directions are given. In the region of comparatively low temperatures, the total measured heat conductivity of almost all $A^{III}B^{VI}$ compounds corresponds to the net lattice heat conductivity. The possible electronic components, shown by calculations, is quite negligible in this region, while the order of magnitude of the calculated values of the lattice heat conductivity coincides with that of the measured values of the heat conductivity. The relation-

Card 1/2

ACC NR: AP7003905

ship of the temperature-heat conductivity of GaS single crystals obtained from gallium monochalcogenides is somewhat weaker than should be expected from the theory of lattice heat conductivity. The heat conductivity of TlS and TlTe crystals decreases with an increase of temperature. The heat conductivity of GaS, GaSe, GaTe, InS, and InSe crystals increases at high temperatures ($T > 380$ to 490°K) due to the appearance of additional heat conductivity. This additional portion of the total heat conductivity increases exponentially for InS and InSe crystals within the high-temperature range $T > 400$ to 480°K , and for GaSe and GaTe up to a certain temperature. According to electrical measurements, the intrinsic conductivity region for the above crystals was not received within the temperature range investigated. The exponential increase and the low value of the activation energy within this range is transferred by excitons. Sharp anisotropy of the heat conductivity is representative of laminated A_{III} B_{VI} crystals over the whole temperature range investigated. The authors thank Professor G. B. Abdullaev for his valuable advice. Orig. art. has: 1 figure. [NT]

SUB CODE: 20/SUBM DATE: 23Nov66/ORIG.REF: 006/OTH REF: 003/

Card 2/2

ISMAILOV, N.G.

Treating thermal burns with novocaine-synthomycin salve.
Aserb.med.shur. no.2:94-95 P '58 (MIRA 11:12)

1. Is Kakhskoy rayonnoy bol'nitsy (glevvraach - Sh.Gadzhiev).
(BURNS AND SCALDS)
(NOVOCAIN)
(CHLOROMYCETIN)

[REDACTED]
ISMAILOV, N.

Ismailov, N. "On the pathogenesis of megaloblastosis and the massive liver therapy in Addison-Biermer disease, sprue, and pellagra", Doklady Akad. nauk UzSSR, No. 11, 1948, p. 31-34, (Resume in Uzbek).

Addison Biermer anemia (pernicious anemia)

So: U-3261, 10 April 1953 (Letopis 'Zhurnal 'nykh Statey', No. 12, 1949).

ISMAILOV, N. I.

29262 ^{ut} ^{one} K tsitodiagnostike nekotorykh zabolevaniy pecheni. V sb: Mauch. Sessiya
Akad. Nauk UzSSR 24-28 yanv. 1949 g. Doklady Med. Sektsii. Tashkent, 1949, s.
65-75. - Bibliogr: 12 naiv.

SO: Letopsi' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

DEM'YANOV, N. I., chlen-korrespondent.

DEM'YANOV, N. I.

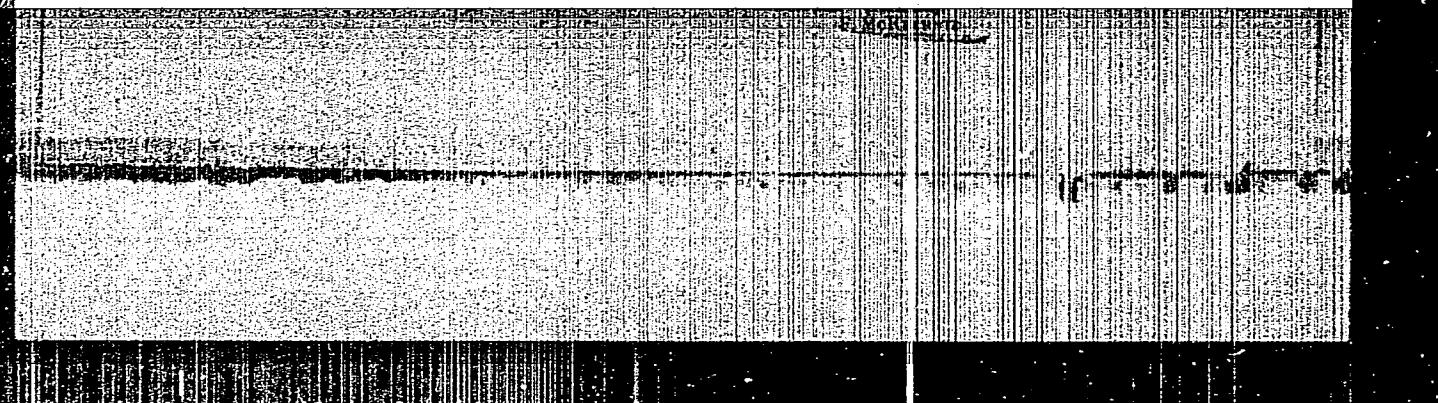
Etiopathogenesis, ability to work, and treatment of lingering subfebrile temperature. Dokl. AN Uz.SSR no. 12:39-42 '49. (MLRA 6:5)

1. Akademiya Nauk Uzbekskoy SSR.

(Fever)

"APPROVED FOR RELEASE: 08/10/2001

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APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000618910006-0"

ISMAILOV N.I.

✓ Enzymes in the duodenal secretion and feces in sprue.
S. V. Mikhlin and N. I. Ismailov (Inst. Nutrition, Acad.
Med. Sci. U.S.S.R., Moscow). *Voprosy Pitaniya* 14, No. 1,
40-1(1959). - In sprue the amt. of alk. phosphatase (I)
in feces was greatly increased while the amt. of enterokinase
(II) was within the normal range, or only slightly increased;
in duodenal juice II was within the lower range of the
normal level or slightly decreased; trypsin and amylase were
increased, and lipase greatly decreased. Increased units
of I and II were found also in patients suffering from dysen-
tery, pellagra, and chronic colitis. The enzyme tests may
be used to study the restoration of the normal function of
the intestines following certain diseases. R.W.

ISMAILOV, N., professor.

Clinical aspects of trichodesmotoxicosis (alimentary toxic encephalitis) Sov.med.19 no.8:38-45 Ag '55 (MLRA 8:10)

1. Zaslushennyj deyatel' nauki, chlen-korrespondent Akademii nauk Uzbekskoy SSSR.
(ENCEPHALITIS, etiology and pathogenesis
Trichodesma, clin.aspects)
(PLANTS,
Trichodesma, causing encephalitis, clin.aspects)

ISMAILOV, N.I.; KANZAFAROVA, D.A.

Treatment of anemia by the new preparation, coamide. Dokl. AN
Uz. SSR no.12:57-60 '57. (MIRA 11:5)

1.Chlen-kerrespondent AN UzSSR (for Ismailov). 2.Tashkentskiy
farmatsevticheskii institut.
(Anemia) (Amides)

ISMAILOV, N.I.; TURSUNKHODZHAYEVA, M.S.; KANZAFAROVA, D.A.; KARIMOVA,
Y.R.A.

Some results of a study of the vitamin level in healthy
and diseased individuals in Uzbekistan. Izv. AN Uz.SSR. Ser.
med. no.5:63-69 '59. (MIRA 13:3)

1. Tashkentskiy gosudarstvennyy meditsinskiy institut.
(UZBEKISTAN--VITAMIN METABOLISM)

SHARAPOV, Utkur Bakikhanovich; ISMAILOV, N.I., prof., red.;
AKSEL'ROD, M.B., red.

[New diuretics in insufficiency of the blood circulation]
Novye mochegonnnye sredstva pri nedostatochnosti krovoob-
rashcheniya. Tashkent, Izd-vo "Meditina" Uzbekskoi SSR,
1964. 95 p.
(MIRA 18:1)

1. Chlen-korrespondent AN Uzbekskoy SSR (for Ismailov).

ISMAILOV, N. M.

ISMAILOV, N. M. - "Investigation of Alkaloids of the Shternberg Type and the Isolation of Three New Alkaloids." Sub 19 May 52, All-Union Sci Res Chemicopharmaceutical Inst imeni Sergo Ordzhonikidze (VNIKh FI). (Dissertation for the Degree of Candidate in Chemical Sciences).

SO: Vechernaya Moskva January-December 1952

1. *Sternbergia spec.* N.V. Prokof'ev and
V. V. Smirnov (S. Orlitskii Institute of Research
of the Chemical Industry, Moscow). Zav. Obrazchel Krem. 23,
1954, p. 1031; C.A. 42, 18954, 47, 6069c. — Isdn. of
leaves of *Sternbergia lichiarina* with 10% NH₄Cl/CH₃COOH
(1:1) gave 0.33% total alkaloids. This treated with hot
HBr gave lecorine and M₁, L₁ and the residue ribbed with HBr gave lecorine and
new alkaloids, one of these, named sternbergine, m. 231-2°,
a C₁₈H₂₄N₂O₂ (C₁₈H₂₄N₂O₂). [α]_D 12.5°; formula HBr salt, m.
m. C₁₈H₂₄N₂O₂·HBr, m. 231-2°, perch. m.
230-2°, chloropluvinate, m. 192-3°; chlorodide, m. 209-3°
217-2°. — The other alkaloid, lecorine, m. 217-19°, HBr salt,

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IRINA FLOV, N. VI.

M Identification of alkaloid-containing plants in the Aster
bushman form. N. M. Ivanov and R. V. Resnick.
Doklady Akad. Nauk SSSR, 10, N. 1,
197-202(1954)(in Russian). *Kosm. Zdrav.* 1954,
No. 49881. - 180 varieties of plants were studied. The
collected material was dried in the shade, and the water-soluble
organs of the plants were analyzed separately. The alkaloids
were exrt. from alkalinized material with chloroform
and CHCl₃. M. Hach

ISMAILOV, N.M.; ABBASOV, R.M.; HAZADEH, R.Ya.

Essential oils and alkaloids in some species of Artemisia in
Azerbaijan. Dokl.AN Azerb.SSR 11 no.8:553-560 '55. (MLRA 9:1)

1.Predstavleno deyst.chlenom AN Azerbaydzhaneskoy SSR G.A.Aliyevym.
(Azerbaijan--Artemisia)(Essences and essential oils)(Alkaloids)

ABBASOV, R.M.; ISMAYLOV, N.M.; HAZADE, R.Ya.

Preliminary data on a study of the flora of Azerbaijan to determine
its alkaloid content. Trudy Inst.bot.AN Azerb.SSR 19:19-45 '55.

(MLRA 9:8)

(Azerbaijan--Botany) (Alkaloids)

ISMAILOV, N.M.

Principal results of a study of the plant resources of Azerbaijan
during the past 40 years. Izv. AN Azerb. SSR. Ser. biol.med.
nauk no. 2:67-70 '60. (MIRA 13:10)

(AZERBAIJAN-BOTANY, ECONOMIC)

ISMAILOV, H.M., ABBASOV, R.M.

Some data on the relationship between the dynamics of accumulation of alkaloids, essential oils, and lactones. Dokl. AN Azerb. SSR 16 no.2:179-183 '60. (MIRA 13:8)
(Alkaloids) (Essences and essential oils) (Lactones)

MAMEDOV, G.M.; ISMAILOV, N.M.; ABBASOV, R.M.

New raw material sources of melloitine from *Delphinium buschianum*
A.Grossl. growing in the Nakhichevan A.S.S.R. Dokl.AN AzerbSSR
20 no.10:61-63 '64. (MIRA 18:2)

1. Institut botaniki im. V.L.Komarova AN AzerbSSR.

ASLANOV, S.M.; ISMAYLOV, N.M.

Effect of soil drought and higher temperature on nitrogen metabolism in the nightshade. Izv. AN Azerb. SSR. Ser. biol. nauk no.2:19-27 '64.

(MIRA 17:10)

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000618910006-0

ABBASOV, R.M.; ISMAILOV, N.M.; RYBALKO, K.S.

Occurrence of tauremizin in Azerbaijan wormwood species. Izv.
AN Azerb. SSR. Ser. biol. no.4:31-35 '64.

(MIRA 17:12)

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000618910006-0"

L 23803-65 EiT(m)/EWP(t)/EWP(b)

IJP(c) JD

ACCESSION NR: AP4049437

S/0202/64/000/005/0118/0120

AUTHOR: Agayev, Ya., Ismailov, O.

TITLE: Determination of the effective electron mass in the system InAs-InP

SOURCE: AN TurkmenSSR. Izvestiya. Seriya fiziko-tehnicheskikh, khimicheskikh i geologicheskikh nauk, no. 5, 1964, 118-120.

TOPIC TAGS: electron mass, indium arsenide, indium phosphide, charge carrier concentration, hole formation

ABSTRACT: This brief communication presents the results of a determination of the effective mass of conduction electrons in InAs-InP alloys at 300K, and gives the temperature dependence of the effective electron mass in the range 300 - 550K for the composition 8InAs·2InP. The effective electron mass was determined at room temperature for all compositions by means of the formula

$$m = \left(\frac{m^*}{m} \right)^{1/2} \cdot \frac{4}{\sqrt{4 + \left(\frac{2kmkT}{h^2} \right)^{1/2}}} f_{\text{K}}(\mu) \quad (1)$$

In the composition 8InAs·2InP, the effective electron mass was found to increase monotonically with the temperature. This may be explained by the nonparabolicity
Card 1/2